



NZ/QC/YPD/T&F-W3/2018-19/P4-C1

Date: 02-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).

{Project*: **Package-4** 1. Improvement of road and 10th 11th 13th main roads at Judicial layout in ward no 04. 2.Improvement of road and drain at Sharadanagara in ward no.04. 3.Improvement of roads and drains balance main and cross roads of A sector in ward no 04.}

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

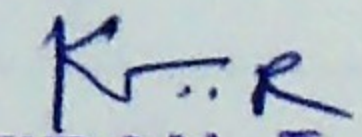
Name of the Agency/Contractor*: Sri. Naveen Rao N (M/s Nischal Constructions)

PHYSICAL TESTS ON CEMENT

Brand : ZUARI
Grade * : 53,
Type * : O.P.C

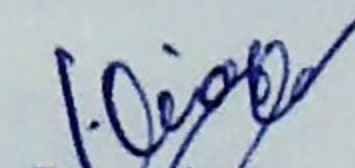
TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	146 min	Shall not be less than 30 min
2	Final setting time	273 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.65 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.21 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	29.18 N/Sq mm	Shall not be less than 27 N/Sqmm


KIRAN. P.
M.E, (Civil-En.)

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For Newzen Consultants Bangalore


Proprietor



NZ/QC/YPD/T&F-W3/2018-19/P4-PCC1

Date: 02-04-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.

{Project*: **Package-4** 1. Improvement of road and 10th 11th 13th main roads at Judicial layout in ward no 04. 2.Improvement of road and drain at Sharadanagara in ward no.04. 3.Improvement of roads and drains balance main and cross roads of A sector in ward no 04.}

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

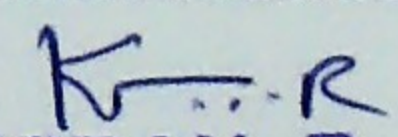
Name of the Agency/Contractor*: Sri. Naveen Rao N (M/s Nischal Constructions)

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

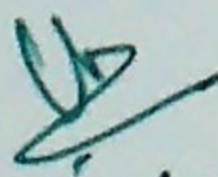
IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007)	
		% Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.70	0 -20	30- 70
10mm	26.15	0 -5	10- 35
4.75mm	3.90	-----	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

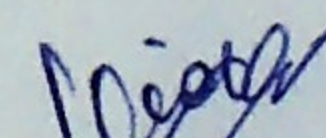
IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002)			Remarks
		Percentage Passing			
		Zone-I	Zone-II	Zone -III	
04.75	98.40	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	83.15	60-95	75-100	85-100	
01.18	71.05	30-70	55-90	75-100	
600.mic	48.50	15-34	35-59	60-79	
300.mic	23.75	5-20	8-30	12-40	
150.mic	8.35	0-10	0-10	0-10	


KIRAN. R
M.E, (Civil-Engg)

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For Newzen Consultants Bangalore


Proprietor



NZ/QC/YPD/T&F-W3/2018-19/P4-SSM1

Date: 05-04-2018

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: **Package-4** 1. Improvement of road and 10th 11th 13th main roads at Judicial layout in ward no 04. 2.Improvement of road and drain at Sharadanagara in ward no.04.
3.Improvement of roads and drains balance main and cross roads of A sector in ward no 04.}

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

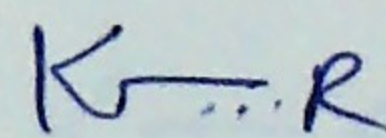
Name of the Agency/Contractor*: Sri. Naveen Rao N (M/s Nischal Constructions)

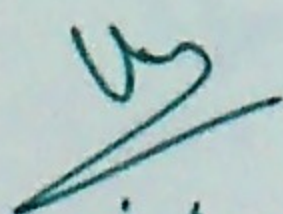
Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

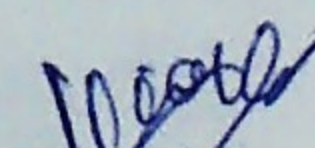
SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	1378.00 Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	0.37%	Not more than 2.0 %

Page No. 1/1,


KIRAN. R
M.E, (Civil-Engg)



For Newzen Consultants Bangalore


Proprietor



NZ/QC/YPD/T&F-W3/2018-19/P4-SSM2

Date: 07-04-2018

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: **Package-4** 1. Improvement of road and 10th 11th 13th main roads at Judicial layout in ward no 04. 2.Improvement of road and drain at Sharadanagara in ward no.04.
3.Improvement of roads and drains balance main and cross roads of A sector in ward no 04.}

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

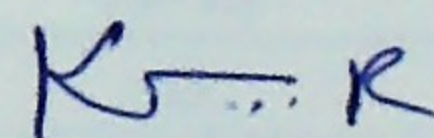
Name of the Agency/Contractor*: Sri. Naveen Rao N (M/s Nischal Constructions)

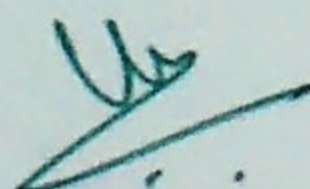
Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

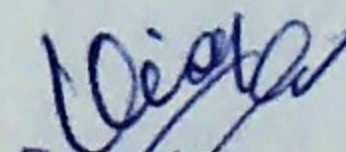
SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	1365.00 Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption, %	0.38 %	Not more than 2.0 %

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KIRAN. R
M.E, (Civil-Engg)



For Newzen Consultants Bangalore


Proprietor



NZ/QC/YPD/T&F-W3/2018-19/P4-G1

Date: 10-04-2018

TEST REPORT ON GRANULAR SUBBASE MIX (GRADATION TEST)

Sub: To conduct tests on GSB (with close graded materials, Grade-II) mix.

{Project*: **Package-4** 1. Improvement of road and 10th 11th 13th main roads at Judicial layout in ward no 04. 2.Improvement of road and drain at Sharadanagara in ward no.04.
3.Improvement of roads and drains balance main and cross roads of A sector in ward no 04.}

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

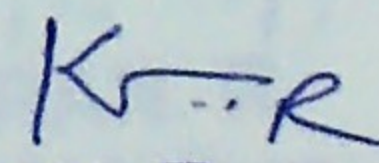
Name of the Agency/Contractor*: Sri. Naveen Rao N (M/s Nischal Constructions)

TEST RESULTS

1. Gradation Test:

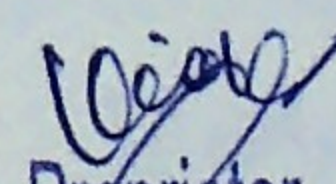
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
26.50	97.30	70-100
9.50	75.10	50-80
4.75	58.25	40-65
2.36	44.05	30-50
0.425	14.70	10-15
0.075	4.55	<5


KIRAN. R
M.E, (Civil-Engg)

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For Newzen Consultants Bangalore


Proprietor

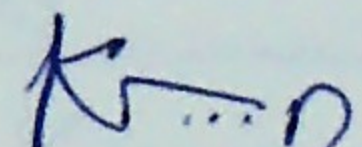


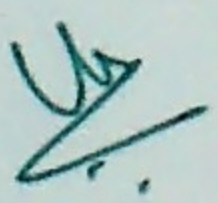
Date: 10-04-2018

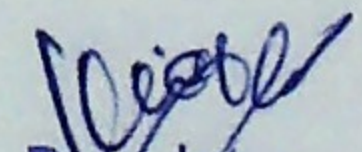
TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	0.37 %	Not more than 2.0 %
2.	Liquid Limit, %	18.68	Not more than 25.0 %
3.	Plasticity Index, %	NP	Not more than 6.0 %
4.	Moisture Content, %	6.13	-----
5.	Aggregate Impact Value, %	25.76	Not more than 40.00 %

Page No. 2/2


KIRAN. R
M.E, (Civil-Engg)


For Newzen Consultants Bangalore


Proprietor



NZ/QC/YPD/T&F-W3/2018-19/P4-G2

Date: 13-04-2018

TEST REPORT ON GRANULAR SUBBASE MIX (GRADATION TEST)

Sub: To conduct tests on GSB (with close graded materials, Grade-II) mix.

{Project*: **Package-4** 1. Improvement of road and 10th 11th 13th main roads at Judicial layout in ward no 04. 2.Improvement of road and drain at Sharadanagara in ward no.04.

3.Improvement of roads and drains balance main and cross roads of A sector in ward no 04.}

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

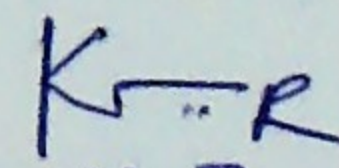
Name of the Agency/Contractor*: Sri. Naveen Rao N (M/s Nischal Constructions)

TEST RESULTS

1. Gradation Test:

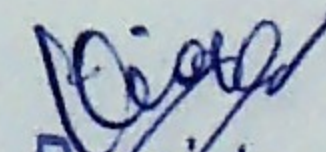
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
26.50	96.55	70-100
9.50	73.65	50-80
4.75	59.15	40-65
2.36	47.75	30-50
0.425	13.20	10-15
0.075	4.45	<5


KIRAN. R
M.E, (Civil-Engg)

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For Newzen Consultants Bangalore


Proprietor

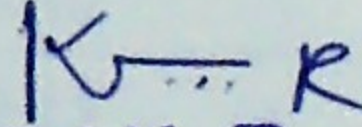


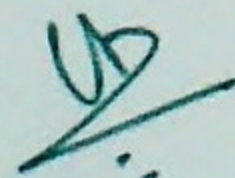
Date: 13-04-2018

TABLE 1.2

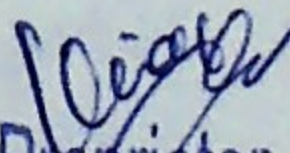
SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	0.38 %	Not more than 2.0 %
2.	Liquid Limit, %	20.18	Not more than 25.0 %
3.	Plasticity Index, %	NP	Not more than 6.0 %
4.	Moisture Content, %	6.12	-----
5.	Aggregate Impact Value, %	26.89	Not more than 40.00 %

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KIRAN. R
M.E, (Civil-Engg)



For Newzen Consultants Bangalore


Proprietor



NZ/QC/YPD/T&F-W3/2018-19/P4-G3

Date: 16-04-2018

TEST REPORT ON GRANULAR SUBBASE MIX (GRADATION TEST)

Sub: To conduct tests on GSB (with close graded materials, Grade-II) mix.

{Project*: **Package-4** 1. Improvement of road and 10th 11th 13th main roads at Judicial layout in ward no 04. 2.Improvement of road and drain at Sharadanagara in ward no.04. 3.Improvement of roads and drains balance main and cross roads of A sector in ward no 04.}

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

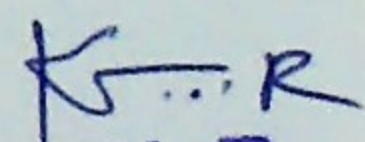
Name of the Agency/Contractor*: Sri. Naveen Rao N (M/s Nischal Constructions)

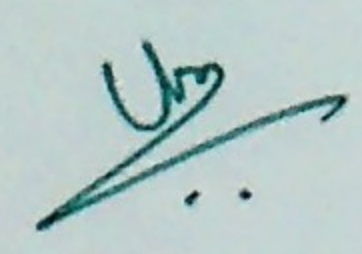
TEST RESULTS

1. Gradation Test:

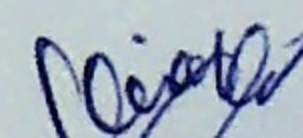
TABLE 1.1

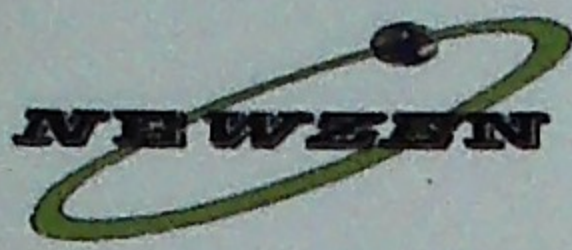
Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
26.50	97.10	70-100
9.50	74.60	50-80
4.75	58.15	40-65
2.36	45.50	30-50
0.425	12.90	10-15
0.075	3.80	<5


KIRAN. R
M.E, (Civil-Engg)

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For Newzen Consultants Bangalore


Proprietor



Date: 16-04-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Water absorption, %	0.36 %	Not more than 2.0 %
2.	Liquid Limit, %	18.24	Not more than 25.0 %
3.	Plasticity Index, %	NP	Not more than 6.0 %
4.	Moisture Content, %	6.08	-----
5.	Aggregate Impact Value, %	25.16	Not more than 40.00 %

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K.R.

KIRAN. R
M.E, (Civil-Engg)

U.D.

For Newzen Consultants Bangalore

Proprietor



NZ/QC/YPD/T&F-W3/2018-19/P4-W1

Date: 14-04-2018

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

{Project*: **Package-4** 1. Improvement of road and 10th 11th 13th main roads at Judicial layout in ward no 04. 2.Improvement of road and drain at Sharadanagara in ward no.04.
3.Improvement of roads and drains balance main and cross roads of A sector in ward no 04.}

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

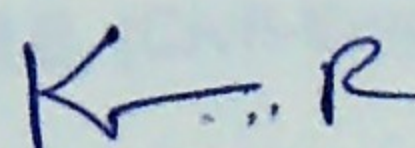
Name of the Agency/Contractor*: Sri. Naveen Rao N (M/s Nischal Constructions)

TEST RESULTS

1. Gradation Test:

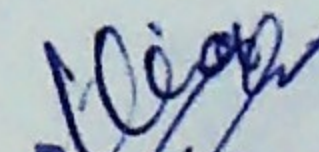
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	97.45	95-100
26.50	---	-
22.40	73.15	60-80
11.20	58.60	40-60
4.75	36.10	25-40
2.36	28.55	15-30
0.600	18.05	8-22
0.075	3.65	0-5


KIRAN. R
M.E, (Civil-Engg)

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For Newzen Consultants Bangalore

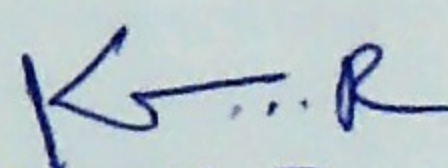

Proprietor

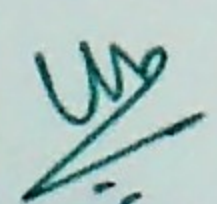


Date: 14-04-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	25.32 %	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	26.86 %	Not more than 35.0 %
3.	Water absorption, %	0.37 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %


KIRAN. R
M.E, (Civil-Engg)

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For Newzen Consultants Bangalore

Proprietor



NZ/QC/YPD/T&F-W3/2018-19/P4-W2

Date: 17-04-2018

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

{Project*: **Package-4** 1. Improvement of road and 10th 11th 13th main roads at Judicial layout in ward no 04. 2.Improvement of road and drain at Sharadanagara in ward no.04. 3.Improvement of roads and drains balance main and cross roads of A sector in ward no 04.}

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

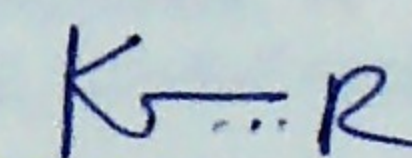
Name of the Agency/Contractor*: Sri. Naveen Rao N (M/s Nischal Constructions)

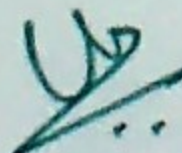
TEST RESULTS

1. Gradation Test:

TABLE 1.1

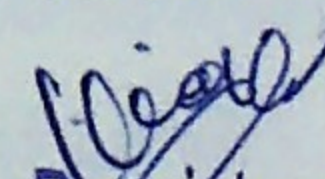
Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	97.25	95-100
26.50	---	-
22.40	74.05	60-80
11.20	58.55	40-60
4.75	36.35	25-40
2.36	24.15	15-30
0.600	19.45	8-22
0.075	4.20	0-5

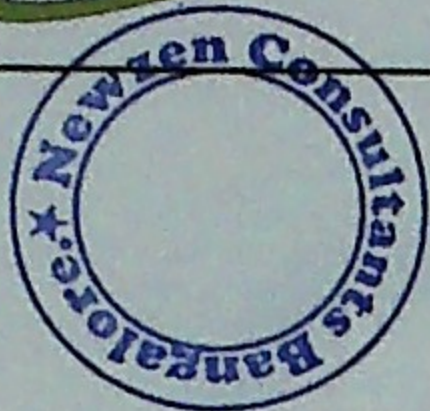

KIRAN. R
M.E, (Civil-Engg)



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For Newzen Consultants Bangalore

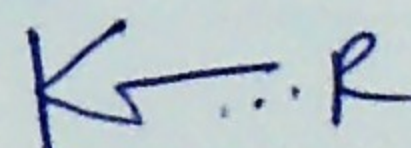

Proprietor



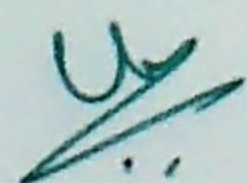
Date: 17-04-2018

TABLE 1.2

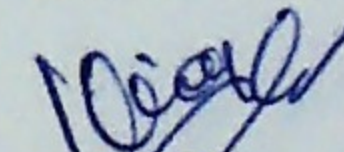
SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)- 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	25.46 %	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	26.78 %	Not more than 35.0 %
3.	Water absorption, %	0.36 %	Not more than 2.0 %
4.	Plasticity Index, %	NP	Not more than 6.0 %

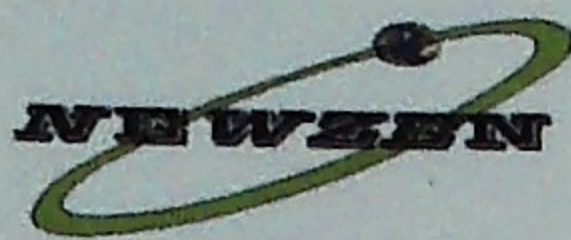

KIRAN. R
M.E, (Civil-Engg)

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For Newzen Consultants Bangalore


Proprietor



NZ/QC/YPD/T&F-W3/2018-19/P4-W3

Date: 18-04-2018

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.

{Project*: **Package-4** 1. Improvement of road and 10th 11th 13th main roads at Judicial layout in ward no 04. 2.Improvement of road and drain at Sharadanagara in ward no.04.
3.Improvement of roads and drains balance main and cross roads of A sector in ward no 04.}

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. Naveen Rao N (M/s Nischal Constructions)

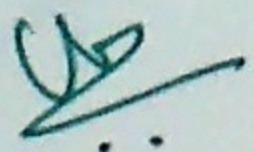
TEST RESULTS

1. Gradation Test:

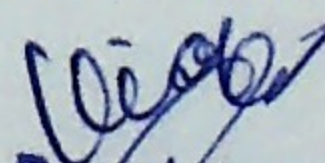
TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	97.35	95-100
26.50	---	-
22.40	73.10	60-80
11.20	51.05	40-60
4.75	35.10	25-40
2.36	25.80	15-30
0.600	18.35	8-22
0.075	3.75	0-5


KIRAN. R
M.E, (Civil-Engg)


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For Newzen Consultants Bangalore


Proprietor